BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of Work: Improvements to roads and dains at Saraipalya Colony, Thanisandra Colony and Rachenahalli Colony in ward No. 07, Thanisandra

Est Cost : 64.78 Lakhs

ಅಂದಾಜು ಪಟ್ಟಿಯ ವರದಿ

ವಿಷಯ: ವಾರ್ಡ್ ನಂ. 07(ಥಣಿಸಂದ್ರ) ವ್ಯಾಪ್ತಿಯಲ್ಲಿ Improvements to roads and dains at Saraipalya Colony, Thanisandra Colony and Rachenahalli Colony in ward No. 07, Thanisandra ಕಾಮಗಾರಿ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಉಲ್ಲೇಖ: ಮಾನ್ಯ ಆಡಳಿತಗಾರರು, ಬಿಬಿಎಂಪಿ ರವರು ದಿನಾಂಕ: 21.09.2024ರಂದು ನಡೆದ ಸಭಾ ನಡವಳಿ ವಿಷಯ ಸಂಖ್ಯೆ. 192/2024-25

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ನಂ. 07(ಥಣಿಸಂದ್ರ) ವ್ಯಾಪ್ತಿಯಲ್ಲಿ Improvements to roads and dains at Saraipalya Colony, Thanisandra Colony and Rachenahalli Colony in ward No. 07, Thanisandra ಕಾಮಗಾರಿಗೆ ರೂ. 64.78 ಲಕ್ಷಗಳ ಅಂದಾಜು ಮೊತ್ತದಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಲು ಉಲ್ಲೇಖದನ್ವಯ ಮಾನ್ಯ ಆಡಳಿತಗಾರರು, ಬಿಬಿಎಂಪಿ ರವರ ದಿನಾಂಕ: 06.08.2024 ರ ನಡವಳಿ ವಿಷಯದ ಸಂಖ್ಯೆ. 95/24-25ರಲ್ಲಿ ಅನುಮೋದಿಸಿರುವಂತೆ 2024-25 ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ ಪರಿಶಿಷ್ಟ ಜಾತಿ/ಪಂಗಡ ಕಲ್ಯಾಣ ನಿಧಿ ಕಾಮಗಾರಿಗಳ ಯೋಜನೆಯ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ 05-330501 ಪಿ-1878 ರ ಅಡಿಯಲ್ಲಿ ಮೀಸಲಿಟ್ಟ ಅನುದಾನದಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿರುತ್ತದೆ.

ಅದರಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಸರಾಯಿಪಾಳ್ಯ ಮುಖ್ಯರಸ್ತೆಯಿಂದ ಕಾಲೋನಿಗೆ ಸಂಪರ್ಕ ಕಲ್ಪಿಸುವ ರಸ್ತೆಯು ಸಂಪೂರ್ಣವಾಗಿ ಹಾಳಾಗಿದ್ದು, ಸದರಿ ರಸ್ತೆಯನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸಿ ಡಾಂಬರೀಕರಣ ಮಾಡುವುದು ಹಾಗೂ ಥಣಿಸಂದ್ರ ಕಾಲೋನಿ ಕೆನರಾ ಬ್ಯಾಂಕ್ ಹತ್ತಿರ ಹಾಗೂ ಥಣಿಸಂದ್ರ ಕಾಲೋನಿಯಿಂದ ಥಣಿಸಂದ್ರ ಮುಖ್ಯರಸ್ತೆಗೆ ಸಂಪರ್ಕ ಕಲ್ಪಿಸುವ ಚರಂಡಿ ಹಾಳಾಗಿರುವುದರಿಂದ ಹೊಸದಾಗಿ ಚರಂಡಿ ನಿರ್ಮಾಣ ಮಾಡುವುದು ಅವಶ್ಯವಿರುವುದರಿಂದ ಅಗತ್ಯ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ಹಾಲಿ ಇರುವ ಚರಂಡಿಗಳಲ್ಲಿ ತುಂಬಿರುವ ಹೂಳನ್ನು ತೆಗೆದು ಹೊರಸಾಗಿಸುವುದು. ಹಾಗೂ ಚರಂಡಿಯನ್ನು ರಿಮೂವಿಂಗ್ ಮತ್ತು ರಿಸೆಟಿಂಗ್ ಮಾಡುವುದು
2. ಆರ್.ಸಿ.ಸಿ ಚರಂಡಿಯನ್ನು ನಿರ್ಮಾಣ ಮಾಡುವುದು
3. ಆರ್.ಸಿ.ಸಿ ಚರಂಡಿಗೆ ಪ್ರೀಕ್ಯಾಸ್ಟ್ ಕವರಿಂಗ್ ಸ್ಲಾಬ್‌ಗಳನ್ನುಅಳವಡಿಸುವುದು
4. ರಸ್ತೆಗೆ ವೆಟ್‌ಮಿಕ್ಸ್ ಹರಡಿ ಬಿ.ಎಂ ಮತ್ತು ಬಿ.ಸಿ ಮಾದರಿಯ ರಸ್ತೆ ಡಾಂಬರೀಕರಣ ಮಾಡುವುದು
5. ಕಲ್ವರ್ಟ್‌ಗಳ ನಿರ್ಮಾಣ ಮಾಡುವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು PWD CSR SR 2023-24, ದರಪಟ್ಟಿ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ 2024-25ನೇ ಸಾಲಿನ ಲೆಕ್ಕ ಶಿರ್ಷಿಕೆ ಪಿ-1878ರ ಅಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ಕಾಮಗಾರಿಯನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಟೆಂಡರ್ ಕರೆದು ಗುತ್ತಿಗೆದಾರರನ್ನು ನೇಮಿಸಿ ಕಾರ್ಯದೇಶ ನೀಡಲು ಈ ಮೂಲಕ ಕೋರಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ-ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-18

BRUHAT BANGALORE MAHANAGARA PALIKE

Byatarayanapura Division

NAME OF WORK: -Improvements to roads and dains at Saraipalya Colony, Thanisandra Colony and Rachenahalli Colony in ward No. 07, Thanisandra

Estimate cost Rs 6478000.00

SL NO	PARTICULARS	UNIT	NO	L	B	D	Qty	RATE	AMOUNT
1	Removing and resetting of footpath slab (Approved arrival rate)								
	drain desilting								
		Sqm	1	895.00	0.90		805.50		
					Total		805.50		
	Consider 75%				**Sub Total**		**604.13**		
	Deduct 25% Missing Slabs						**151.03**		
					Sub Total A		**453.09**	235.00	106477.03
	Data Rate	**235.00**							
2	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of Buildings & bridges and such simillar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. In all kinds of soils Depth upto 1.5 m[PWD SR 2023-24/ Volume-1/ Chapter-1/P.NO-5/ Item no:-1.4.1]								
	For Drain Desilting	Cum	1	895.00	0.50	0.45	201.38		
	RCC Drain								
	Thanisandra Colony		2	100.00	0.90	0.90	162.00		
	Saraipalya Colony		2	60.00	0.90	0.90	97.20		
	Culverts		3	6.50	1.50	1.00	29.25		
					Total		**489.83**	**266.20**	**130391.42**
	Basic Rate	**242.00**							
	Add AW 10%	24.20							
	Total	**266.20**							
3	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications.Mix 1:4:8 Using 40 mm nominal size graded crushed coarse aggregates[PWD SR 2023-24/ Volume-1/ Chapter-2/P.NO-15/ Item no:-2.1.2]								
	PCC For Drain								
	Thanisandra Colony	Cum	2	100.00	0.90	0.15	27.00		
	Saraipalya Colony	Cum	2	60.00	0.90	0.15	16.20		
	Culverts	Cum	3	6.50	1.35	0.15	3.95		
					Total		**47.15**	**6230.40**	**293755.57**
	Basic Rate	**5664.00**							
	Add AW 10%	566.40							
	Total	**6230.40**							
4	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.**M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates**[PWD SR 2023-24/ Volume-1/ Chapter-2/P.NO-16/ Item no:-2.4.2]								
	for drain								
	Thanisandra Colony	Cum	2	100.00	0.60	0.15	18.00		
	Saraipalya Colony		2	60.00	0.60	0.15	10.80		
	For Side Wall								

SL NO	PARTICULARS	UNIT	NO	L	B	D	Qty	RATE	AMOUNT
	Thanisandra Colony	Cum	4	100.00	0.15	0.45	27.00		
	Saraipalya Colony		4	60.00	0.15	0.45	16.20		
					Sub-Total A		**72.00**		
	Culverts								
	For Raft	Cum	3	6.50	1.35	0.15	3.95		
	For Side Wall	Cum	6	6.50	0.30	0.60	7.02		
	Ramp	Cum	6	6.50	0.50	0.10	1.95		
					Sub-Total B		**12.92**		
	For Drain Reparis	Cum	1	100.00	0.60	0.10	**6.00**		
			2	50.00	0.15	0.20	**3.00**		
					Total A+B		**93.92**	**7650.83**	**718556.39**
	Basic Rate	**6323.00**							
	Add AW 10%	632.30							
	Sub-Total	**6955.30**							
	Centering & Shuttering 10%	**695.53**							
	Total	7650.83							
5	**Steel Fabrication,Supplying, fitting and placing TMT FE 550 / 550D** Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification .c For Substructure of Bridges[PWD SR 2023-24/ Volume-1/ Chapter-2/P.NO-91/ Item no:-2.11 h]								
	Quantity From Item 3[60kg/cum]	**Tonne**	1	72.00		60.00	4320.00		
	Quantity From Item 3[90kg/cum]		1	12.92		90.00	1162.69		
						Kg	**5482.69**		
						Tonne	5.48		
					Total		**5.48**	**86912.10**	**476511.88**
	Basic Rate	**79011.00**							
	Add AW 10%	7901.10							
	Total	**86912.10**							
6	**Providing and laying 100mm thick pre-cast cover slabs** over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface waterincluding of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.[PWD SR 2023-24/ Volume-2/ Chapter-2/P.NO-177/ Item no:-17.14]								
	Thanisandra Colony	Sqm	2	100.00	0.90		180.00		
	Saraipalya Colony		2	60.00	0.90		108.00		
	For Missing Slabs						151.03		
					Total		**439.03**	**1287.00**	**565033.22**
	Basic Rate	**1170.00**							
	Add AW 10%	117.00							
	Total	**1287.00**							
7	Providing and fixing 230mm thick pre cast reinforced concrete slab as per design and drawing material cost,transportation, hire charges of machinery complete with all lead and lift conveyance charges labour charges inclusive of cost of all materials(As per data rate)								
	For New RCC Culvert	Sqm	3	6.50	1.20		23.40		
					Total		**23.40**	**5037.00**	**117865.80**
	Data Rate	**5037.00**							
8	**Earth work in surface excavation by mechanical means** for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work.In all kinds of soils upto 300 mm depth**[PWD SR 2023-24/ Volume-1/ Chapter-1/P.NO-8/ Item no:-1.12]**								
	Scarifying exsisting Concrete road	sqm							

SL NO	PARTICULARS	UNIT	NO	L	B	D	Qty	RATE	AMOUNT
	Saraipalya Colony		1	250.00	6.00		1500.00		
					Total		**1500.00**	**104.50**	**156750.00**
	Basic Rate	**95.00**							
	Add AW 10%	9.50							
	Total	**104.50**							
9	**Wet Mix Macadam** (Plant mix method) Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density[PWD SR 2023-24/ Volume-3/ Chapter-4/P.NO-26/ Item no:-4.17]								
	Saraipalya Colony	cum	1	250.00	6.00	0.23	345.00		
					Total		**345.00**	**2814.90**	**971140.50**
	Basic Rate	**2559.00**							
	Add AW 10%	255.90							
	Total	**2814.90**							
10	Providing and applying **primer coat** with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. Prime Coat over WMM/WBM[PWD SR 2023-24/ Volume-3/ Chapter-5/P.NO-29/ Item no:-5.1 A [i]]								
	Saraipalya Colony	sqm	1	250.00	6.00		1500.00		
					Total		**1500.00**	**45.10**	**67650.00**
	Basic Rate	**41.00**							
	Add AW 10%	4.10							
	Total	**45.10**							
11	**Dense Graded Bituminous Macadam Grading - II for traffic** <20 MSA,Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects**[PWD SR 2023-24/ Volume-3/ Chapter-5/P.NO-35/ Item no:-5.12 C MoRTH Sec 505]**								
	Saraipalya Colony	cum	1	250.00	6.00	0.05	75.00		
							75.00	**10393.90**	**779542.50**
	Basic Rate	**9449.00**							
	Add AW 10%	944.90							
	Total	**10393.90**							
12	**Tack coat on Bituminous surface,Providing and applying tack coat** with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom[PWD SR 2023-24/ Volume-3/ Chapter-5/P.NO-31/ Item no:-5.3 i]								
	Saraipalya Colony	sqm	1	250.00	6.00		1500.00		
					Total		**1500.00**	**13.20**	**19800.00**
	Basic Rate	**12.00**							
	Add AW 10%	1.20							
	Total	**13.20**							
13	**Providing and laying Bituminous Concrete with 40/60 TPH** capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site,laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects**[PWD SR 2023-24/ Volume-3/ Chapter-5/P.NO-36/ Item no:-5.16 C MoRTH Sec 507]**								
	Saraipalya Colony	cum	1	250.00	6.00	0.04	60.00		
					Sub-Total		**60.00**	**12049.40**	**722964.00**
	Basic Rate	**10954.00**							
	Add AW 10%	1095.40							
	Total	**12049.40**							
15	**Road Marking with Hot Applied Thermoplastic Compound** with Re flectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes.**[PWD SR 2023-24/ Volume-3/ Chapter-8/P.NO-67/ Item no:-8.15 MoRTH Sec803]**								

SL NO	PARTICULARS	UNIT	NO	L	B	D	Qty	RATE	AMOUNT
	Saraipalya Colony	sqm	2	250.00	0.10		50.00		
					Sub-Total		50.00	583.00	50.00
	Basic Rate	**530.00**							
	Add AW 10%	53.00							
	Total	**583.00**							
14	Unload ing, Loading & Carriage of MaterialsLoading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 5.5 m3)[PWD SR 2023-24/ Volume-3/ Chapter-1/P.NO-5/ Item no:-1.1 a]								
	Quantity From Item 1	Cum	1	489.83			489.83		
					Total		489.83	148.50	72739.01
	Basic Rate	**135.00**							
	Add AW 10%	13.50							
	Total	**148.50**							
15	Cost of Haulage Excluding Loading and Unloading,Taking output 10 t load and lead 10 km = 100 t.km[PWD SR 2023-24/ Volume-3/ Chapter-1/P.NO-3/ Item no:-1.4 iii A]								
	Quantity from Item No-1	t.km	1	489.83	1.28		626.98		
						Total	626.98	198.00	124141.25
	Basic Rate	**12.00**							
	15KM LEAD [12*15=180]	180.00							
	Add AW 10%	**18.00**							
	Total	**198.00**							
							Total		5352468.57
							GST 18%		963444.34
							Tender Premium 3%		160574.06
							Miscelleneous		1513.03
							Grand Total		6478000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2023-24 and Data Rates.

Assistant Engineer
Ward 6

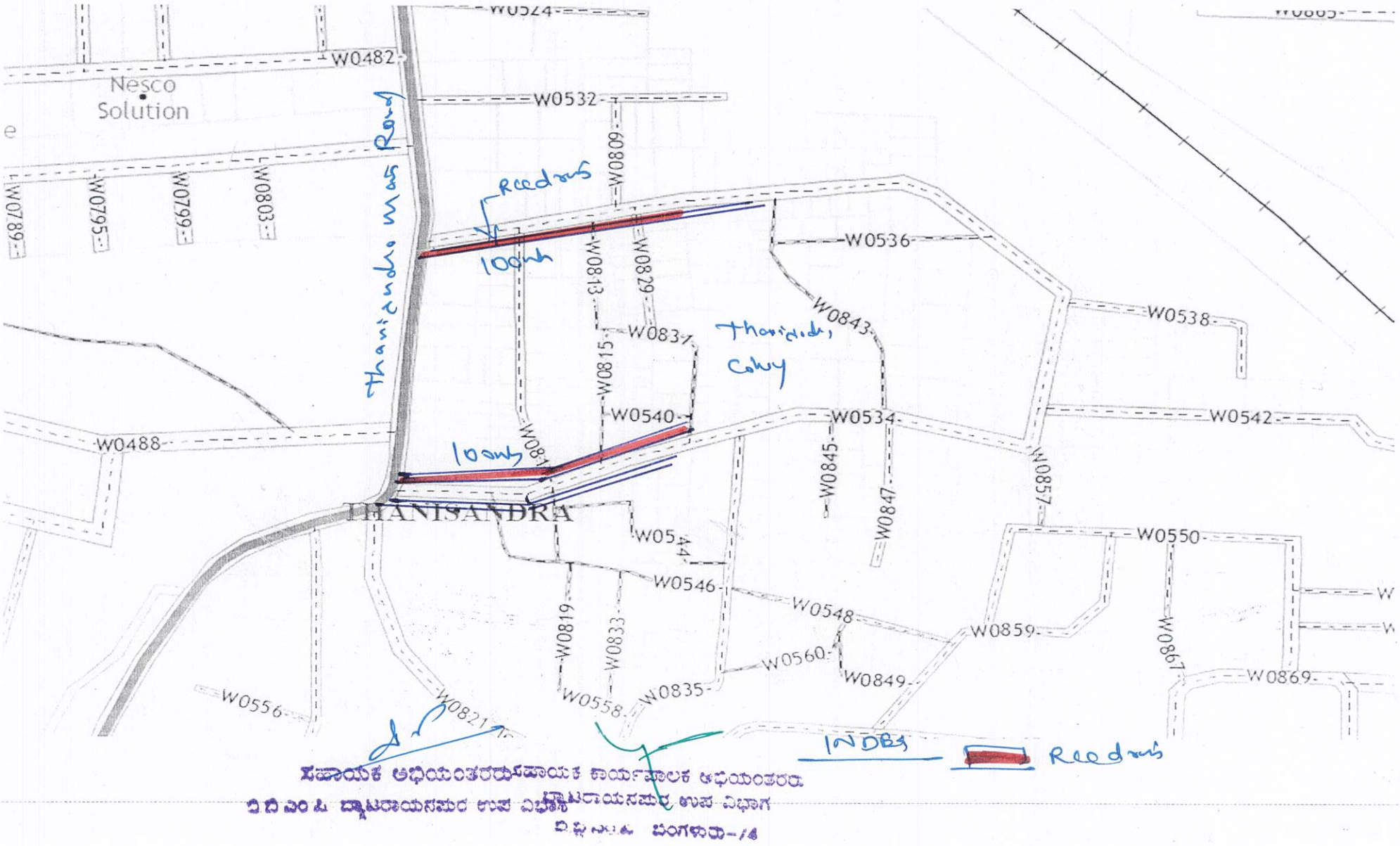
Asst. Executive Engineer
Byatarayanapura Sub-Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

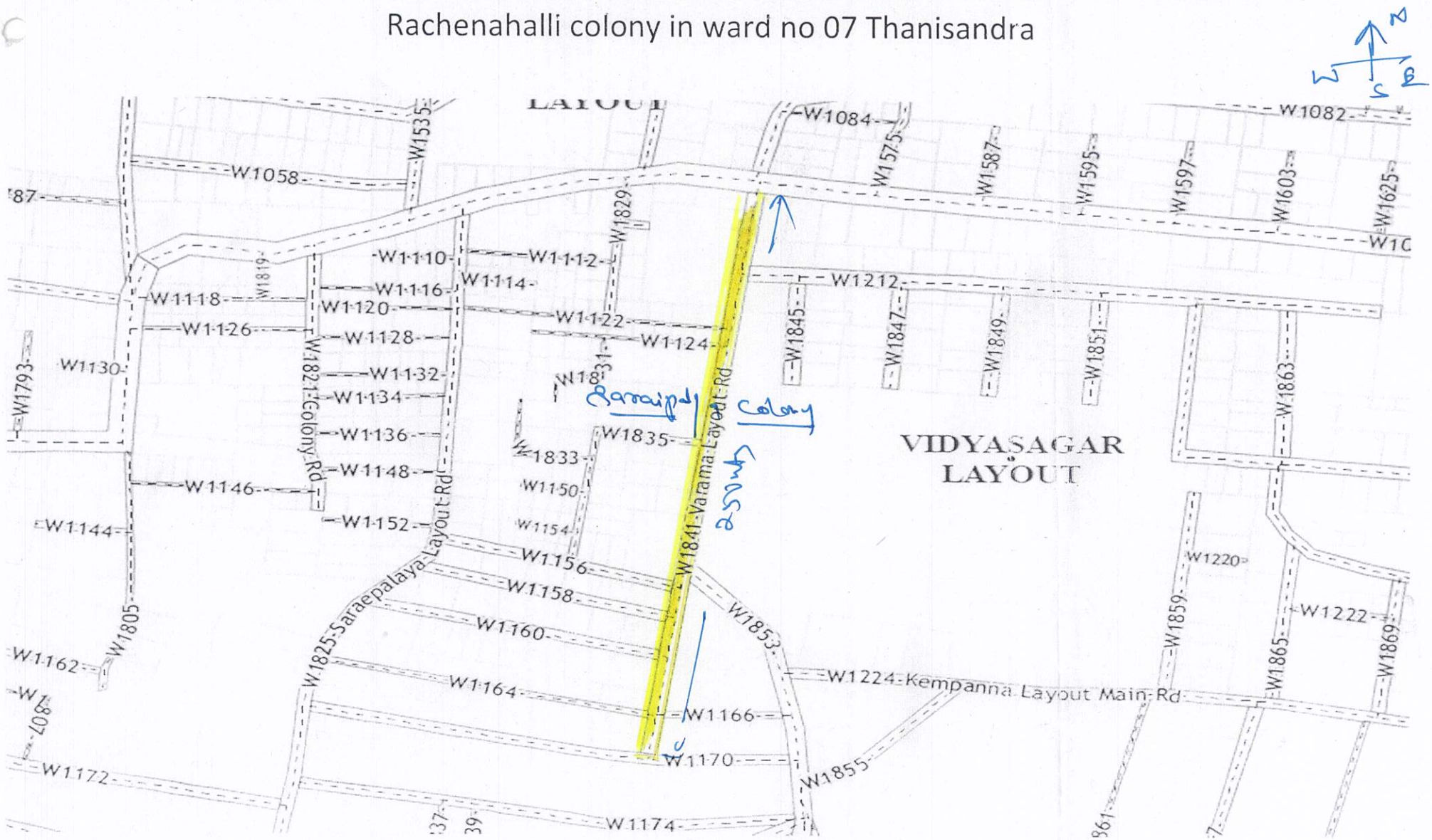
ADMINISTRATIVE SANCTION
Accorded for Rs. 64.78 Lakhs
Head of A/c. P1878
Div. Ref. No. 43 Date. 15/10/24
AE/DM
EE(BTP) BBMP

Technical Sanction
Accorded For Rs. 64.78 Lakhs
Head of A/C. P-1878
CER NO : 50 Dt: 15/10/24

Name of work : Improvements to roads and drains at Saraipalya colony, Thanisandra colony and Rachenahalli colony in ward no 07 Thanisandra



Name of work : Improvements to roads and drains at Saraipalya colony, Thanisandra colony and Rachenahalli colony in ward no 07 Thanisandra



Road Improvements

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿಬಿಎಂಪಿ ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು-57